

Title (en)

A VIRTUAL ADDRESS CACHE AND METHOD FOR SHARING DATA USING A UNIQUE TASK IDENTIFIER

Title (de)

VIRTUELLER ADRESSEN-CACHE UND VERFAHREN ZUM GEMEINSAMEN BENUTZEN VON DATEN UNTER VERWENDUNG EINER EINDEUTIGEN TASK-KENNUNG

Title (fr)

MEMOIRE CACHE D'ADRESSES VIRTUELLES ET PROCEDE DE PARTAGE DE DONNEES A L'AIDE D'UN IDENTIFICATEUR DE TACHES UNIQUE

Publication

EP 1789883 B1 20111207 (EN)

Application

EP 04822269 A 20040831

Priority

EP 2004011075 W 20040831

Abstract (en)

[origin: US7865691B2] A virtual address cache and a method for sharing data. The virtual address cache includes: a memory, adapted to store virtual addresses, task identifiers and data associated with the virtual addresses and the task identifiers; and a comparator, connected to the memory, adapted to determine that data associated with a received virtual address and a received task identifier is stored in the memory if at least a portion of the received virtual address equals at least a corresponding portion of a certain stored virtual address and a stored task identifier associated with the certain stored virtual address indicates that the data is shared between multiple tasks. The method includes: receiving a virtual address and a task identifier for addressing data; determining as to whether the data is stored in a memory based upon a comparison of at least a portion of the received virtual address with at least a portion of an address associated with data stored in memory and based upon a fulfillment of the following criterion: a stored task identifier associated with the certain stored virtual address indicates that the data is shared between multiple tasks.

IPC 8 full level

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CPC (source: EP KR US)

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